

Title (en)  
TRANSMISSION OF UPLINK CONTROL INFORMATION IN CARRIER AGGREGATION WITH A LARGE NUMBER OF CELLS

Title (de)  
ÜBERTRAGUNG VON UPLINK-STEUERINFORMATIONEN IN EINER TRÄGERAGGREGATION MIT EINER GROSSEN ANZAHL VON ZELLEN

Title (fr)  
ÉMISSION D'INFORMATIONS DE COMMANDE EN LIAISON MONTANTE EN AGRÉGATION DE PORTEUSES AVEC UN GRAND NOMBRE DE CELLULES

Publication  
**EP 4120613 A1 20230118 (EN)**

Application  
**EP 22194097 A 20151222**

Priority

- US 201462095296 P 20141222
- US 201562184942 P 20150626
- US 201562190728 P 20150710
- US 201562194870 P 20150721
- US 201562204713 P 20150813
- US 201562240099 P 20151012
- US 201514970309 A 20151215
- EP 15873626 A 20151222
- KR 2015014125 W 20151222

Abstract (en)  
A method and apparatus are provided for a terminal to receive information on a maximum code rate for transmission of a hybrid automatic repeat request acknowledgement, HARQ-ACK, and channel state information, CSI, identifying a number of uplink control information, UCI, bits based on a sum of a number of bits of the HARQ-ACK, a number of bits of the CSI, and a number of bits of a cyclic redundancy check, CRC, for the CSI, and to transmit, to the base station, the HARQ-ACK, CSI and CRC on a PUCCH resource based on configured PUCCH resources.

IPC 8 full level  
**H04L 5/00** (2006.01); **H04L 27/36** (2006.01)

CPC (source: CN EP KR US)  
**H04L 1/1607** (2013.01 - CN); **H04L 5/001** (2013.01 - EP KR US); **H04L 5/0055** (2013.01 - CN KR); **H04L 5/0057** (2013.01 - CN EP KR US); **H04L 27/36** (2013.01 - KR); **H04L 5/0055** (2013.01 - EP US); **H04L 27/36** (2013.01 - EP US)

Citation (applicant)

- US 8588259 B2 20131119 - PAPASAKELLARIOU ARIS [US], et al
- 3GPP TS 36.211
- 3GPP TS 36.212
- 3GPP TS 36.213
- 3GPP TS 36.331

Citation (search report)

- [A] EP 2765730 A2 20140813 - INTERDIGITAL PATENT HOLDINGS [US]
- [A] INTEL CORPORATION: "Multi-cell periodic CSI multiplexing", vol. RAN WG1, no. Qingdao, China; 20120813 - 20120817, 5 August 2012 (2012-08-05), XP050661051, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/tsg\_ran/WG1\_RL1/TSGR1\_70/Docs/> [retrieved on 20120805]

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**US 2016183244 A1 20160623; US 9876623 B2 20180123**; CN 107005391 A 20170801; CN 107005391 B 20200717; CN 111726215 A 20200929; CN 111726215 B 20230523; EP 3238361 A1 20171101; EP 3238361 A4 20171227; EP 3238361 B1 20220907; EP 4120613 A1 20230118; EP 4120613 B1 20240807; KR 102659657 B1 20240422; KR 20170097079 A 20170825; US 10666413 B2 20200526; US 11405162 B2 20220802; US 2018145817 A1 20180524; US 2020287694 A1 20200910; WO 2016105099 A1 20160630

DOCDB simple family (application)  
**US 201514970309 A 20151215**; CN 201580068397 A 20151222; CN 202010429064 A 20151222; EP 15873626 A 20151222; EP 22194097 A 20151222; KR 2015014125 W 20151222; KR 20177018437 A 20151222; US 201815877148 A 20180122; US 202015929821 A 20200522